

**Amendments to the Specification:**

Please replace paragraphs [0007] and [0008] with the following paragraphs:

[0007] An organ, covered by a protective cover, is stored in the organ perfusion chamber. The protective cover is preferably an impermeable plastic bag. The organ thus protected is maintained in a completely floating suspended state, completely surrounded by the fluid.

[0008] The underlying concept of the invention is to use as the storage fluid the dialysate, which is already available. The dialysate is an essential component for preserving the vital functions of the organ and, as such, is also an essential component of the circulation system for preserving vitality. This circulation system comprises a dialysate circulation system and a perfusate circulation system, which supply maintain the extracorporeal organ. According to the invention, the required dialysate circulation and the necessary aggregates are used to integrate the storage fluid as dialysate in the dialysate circulation and at the same time to use the organ perfusion chamber as a reservoir for the dialysate.